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PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * * * * SESSION RESUMED IN FILE 'CAPLUS' AT 12:52:43 ON 22 JAN 2008 FILE 'CAPLUS' ENTERED AT 12:52:43 ON 22 JAN 2008 COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS FULL ESTIMATED COST	SINCE FILE ENTRY 11.35	TOTAL SESSION 259.57
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) CA SUBSCRIBER PRICE	SINCE FILE ENTRY -1.60	TOTAL SESSION -1.60
=> file registry COST IN U.S. DOLLARS FULL ESTIMATED COST	SINCE FILE ENTRY 11.35	TOTAL SESSION 259.57
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) CA SUBSCRIBER PRICE	SINCE FILE ENTRY -1.60	TOTAL SESSION -1.60

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STRUCTURE FILE UPDATES: 21 JAN 2008 HIGHEST RN 1000370-19-3
DICTIONARY FILE UPDATES: 21 JAN 2008 HIGHEST RN 1000370-19-3

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

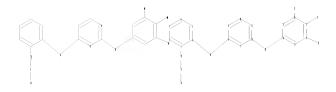
Please note that search-term pricing does apply when conducting ${\tt SmartSELECT}$ searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

= :

Uploading C:\Program Files\STNEXP\Oueries\10571733.str



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19 20 21 22 23 24 25 26 rring nodes:
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 chain bonds:
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 chain bonds:
1-24 6-19 8-19 12-20 14-20 16-21 17-22 18-23 24-25 25-26 ring bonds:
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18 14-15 15-16 16-17 17-18 exact/norm bonds:
6-19 8-19 12-20 14-20 24-25 25-26 exact bonds:
1-24 16-21 17-22 18-23 normalized bonds:
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18 14-15 15-16 16-17 17-18
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Match level: 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS 20:CLASS 21:CLASS 21:CLASS

L5 STRUCTURE UPLOADED

=> 15 sss ful

chain nodes :

L5 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system. For a list of commands available to you in the current file, enter "HELP COMMANDS" at an arrow prompt (=>).

=> s 15 sss ful

FULL SEARCH INITIATED 12:53:21 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 66 TO ITERATE

100.0% PROCESSED 66 ITERATIONS SEARCH TIME: 00.00.01 5 ANSWERS

=> d 16 1-6

- L6 ANSWER 1 OF 5 REGISTRY COPYRIGHT 2008 ACS on STN
- RN 848468-37-1 REGISTRY
- ED Entered STN: 14 Apr 2005
- CN Benzenesulfonamide, N-propyl-2-[[2-[(3,4,5-trimethoxyphenyl)amino]-4
 - pyrimidinyl]amino]- (CA INDEX NAME)
- MF C22 H27 N5 O5 S
- SR CA
- LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
- L6 ANSWER 2 OF 5 REGISTRY COPYRIGHT 2008 ACS on STN
- RN 848468-35-9 REGISTRY
- ED Entered STN: 14 Apr 2005
- CN Benzenesulfonamide, N,N-dimethyl-2-[[2-[(3,4,5-trimethoxyphenyl)amino]-4-
- pyrimidinyl]amino]- (CA INDEX NAME)
- MF C21 H25 N5 O5 S
- SR CA
 - LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE) 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
- L6 ANSWER 3 OF 5 REGISTRY COPYRIGHT 2008 ACS on STN
- RN 848468-34-8 REGISTRY
- ED Entered STN: 14 Apr 2005
- CN Benzenesulfonamide, N-(2-hydroxyethyl)-2-[[2-[(3,4,5-
- trimethoxyphenyl)amino]-4-pyrimidinyl]amino]- (CA INDEX NAME)
- MF C21 H25 N5 06 S
- SR CA
- LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

- L6 ANSWER 4 OF 5 REGISTRY COPYRIGHT 2008 ACS on STN
- RN 604802-45-1 REGISTRY
- ED Entered STN: 15 Oct 2003
- CN Benzenesulfonamide, N,2-dimethyl-6-[[2-[(3,4,5-trimethoxyphenyl)amino]-4-pyrimidinyl|amino]- (CA INDEX NAME)
- MF C21 H25 N5 O5 S
- SR CA
- LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

- L6 ANSWER 5 OF 5 REGISTRY COPYRIGHT 2008 ACS on STN
- RN 604802-41-7 REGISTRY
- ED Entered STN: 15 Oct 2003
- N Benzenesulfonamide, N-methyl-2-[[5-(trifluoromethyl)-2-[(3,4,5-
- trimethoxyphenyl)amino]-4-pyrimidinyl]amino]- (CA INDEX NAME)
- MF C21 H22 F3 N5 O5 S
- SR CA
- LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus COST IN U.S. DOLLARS SINCE FILE TOTAL SESSION ENTRY FULL ESTIMATED COST 188.82 448.39 DISCOUNT AMOUNTS (FOR OUALIFYING ACCOUNTS) SINCE FILE TOTAL SESSION ENTRY CA SUBSCRIBER PRICE 0.00 -1.60

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FILE COVERS 1907 - 22 Jan 2008 VOL 148 ISS 4 FILE LAST UPDATED: 21 Jan 2008 (20080121/ED)

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=> s 16 L7

2 L6

=> d 17 ibib abs 1-2

L7 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN ACCESSION NUMBER: 2005:260035 CAPLUS

DOCUMENT NUMBER: 142:336377

TITLE: Preparation of 2,4-di(phenylamino)pyrimidines useful in the treatment of proliferative disorders

INVENTOR(S): Imbach, Patricia; Roesel, Johannes

PATENT ASSIGNEE(S): SOURCE: Novartis AG, Switz.; Novartis Pharma GmbH PCT Int. Appl., 39 pp. CODEN: PIXXD2

DOCUMENT TYPE: LANGUAGE: Patent English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

						KIND DATE				APPLICATION NO.					
WO 20050	26130		A1		2005	0324		WO 2	004-	EP10	466		2	0040	917
W: .	AE, AG,	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,
	CN, CO,	CR.	CU,	CZ.	DE,	DK.	DM.	DZ.	EC,	EE,	EG,	ES.	FI.	GB,	GD,
	GE, GH,														
	LK, LR,														
	NO, NZ,														
	TJ, TM,														
	BW, GH,														
	AZ, BY,														
	EE, ES,														
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AU 20042															
CA 25384															
EP 16639															
	AT, BE,											NL,	SE,	MC,	PT,
	IE, SI,														
CN 18529									004-						
BR 20040	14544		A		2006	1107		BR 2	004-	1454	4		2	0040	917
JP 20075	05858		T		2007	0315		JP 2	006-	5265	95		2	0040	917
US 20071	05839		A1		2007	0510		US 2	006-	5717.	33		2	0060	314
IN 2006C	N00922		A		2007	0615		IN 2	006-	CN92:	2		2	0060	316
MX 2006P.	A03054		A		2006	0531		MX 2	006-1	PA30	54		2		
PRIORITY APPL									003-					0030	918
								WO 2	004-1	EP10	466	1	W 2	0040	917
OTHER SOURCE(S):		CAS	REAC	T 14	2:33									

AB The title compds. I [X = CRO, N; RO, R1-R4 = H, OH, alkyl, etc.; or R3 and R4 form together with the nitrogen and carbon atoms to which they are attached a 5-10 membered heterocyclic ring and comprising addnl. 1-3 heteroatoms selected from N, O and S; or R1-R3 = halo, haloalkyl, alkoxy, etc.; or R1 and R2 form aryl or 5-10 membered heteroaryl; R5, R6 = H, halo, CN, alkyl, etc.; R7-R9 = H, OH, alkyl, etc.], useful for preventing or treating proliferative disorders such as a tumor disease, by inhibiting ALK activity, were prepared E.g., a 2-step synthesis of 2-[2-(1H-indazol-6-ylamino)-pyrimidin-4-ylamino|benzenesulfonamide, starting from 2-aminobenzenesulfonamide and 2,4-dichloropyrimidine, was given. The compds. I were tested for inhibition of ALK tyrosine kinase in various cellular assays (data were given for representative compds. I).

L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:757684 CAPLUS

DOCUMENT NUMBER: 139:292258

TITLE: Pyrimidine derivatives

INVENTOR(S): Baenteli, Rolf; Zenke, Gerhard; Cooke, Nigel Graham; Duthaler, Rudolf; Thoma, Gebhard; Von Matt, Anette; Honda, Toshivuki; Matsuura, Naoko; Nonomura, Kazuhiko;

Ohmori, Osamu; Umemura, Ichiro; Hinterding, Klaus; Papageorgiou, Christos

ADDITERTION NO

מיד גרו

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H. SOURCE: PCT Int. Appl., 45 pp.

CODEN: PIXXD2

KIND DATE

DOCUMENT TYPE: Patent LANGUAGE . English

FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

DATENT NO

	PATENT NO.						KIND DATE			APPLICATION NO.						DATE			
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	WO											, BG,							
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												, KP,							
												, OM,							
												, US,							
		RW:										, AT,							
							FR,	GB,	GR,	HU,	11	, IT,	LU,	MC,	NL,	PT,	RO,	SE,	
				SK,															
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		2003									AU	2003-	2270	70		2	0030	314	
		2003																	
	EP											2003-							
		R:										, IT,							
												, TR,							
	BR	2003	0084	61								2003-							
	JP	2005	5275	29		T						2003-							
		1697										2003-							
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	NO	2004	0043	74		A		2004	1014		NO	2004-	4374			2	0041	014	
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PRIO	RITY	APP:	LN.	INFO	. :						GB	2002-	6215			A 2	0020	315	
											WO	2003-	EP27	10		W 2	0030	314	

Ι

OTHER SOURCE(S): MARPAT 139:292258 GI

```
The pyrimidine derivs. (I) are claimed, wherein X = -CR or -N, R, R1, R2,
AB
     R3, R4 independently is H, OH, C1-8alkyl, C2-8alkenyl, C3-8cycloalkyl,
     C3-8cycloalkyl-C1-8alkyl, hydroxyC1-8alkyl, C1-8alkoxyC1-8alkyl,
     hydroxyC1-8alkoxyC1-8alkyl, arylC1-8alkyl which optionally may be
     substituted on the ring by OH, C1-8alkoxy, carboxy, C1-8alkoxycarbonyl or
     R3 and R4 form together with N and C atoms to which they are attached to a
     5-10 membered heterocyclic ring containing 1, 2 or 3 heteroatoms of N, O or S;
     R1 and R2 form together with C atoms to which they are attached arvl of
     5-10 membered heteroarvl moiety containing 1-2 heteroatoms of N. O. S; R and
     R6 independently is H, halo, CN, C1-8alkyl, haloC1-8alkyl, C2-8alkenyl,
     C2-8alkynyl, C3-8cycloalkyl, C3-8cycloalkylC1-8alkyl, C5-10arylC1-8alkyl,;
     R7, R8 and R9 is independently H, OH, C1-8alkyl, C2-8alkenyl,
     haloC1-8alkyl, C1-8alkoxy, C3-8cycloalkyl, C3-8cycloalkylC1-8,
     arylC1-8alkyl. disorders where ZAP-70 and/or Syk inhibition plays a role
     or caused by a malfunction of signal cascades connected with FAK. I are
     useful in disorders where ZAP-70 and/or Syk inhibition plays a role or
     caused by a malfunction of signal cascades connected with FAK.
     Pharmaceutical compns. containing I are claimed.
REFERENCE COUNT:
                               THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
=> d his
     (FILE 'HOME' ENTERED AT 11:53:56 ON 22 JAN 2008)
     FILE 'REGISTRY' ENTERED AT 11:54:20 ON 22 JAN 2008
L1
               STRUCTURE UPLOADED
L2
              0 S L1 FAM FUL
L3
              5 S L1 SSS FUL
     FILE 'CAPLUS' ENTERED AT 11:55:10 ON 22 JAN 2008
             2 S L3
L4
     FILE 'REGISTRY' ENTERED AT 12:52:56 ON 22 JAN 2008
L5
               STRUCTURE UPLOADED
L6
              5 S L5 SSS FUL
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=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF LOGOFF? (Y)/N/HOLD:y

FILE 'CAPLUS' ENTERED AT 12:53:50 ON 22 JAN 2008

COST IN U.S. DOLLARS FULL ESTIMATED COST

2 S L6

SINCE FILE TOTAL. ENTRY SESSION 8.22 456.61 DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL

SESSION ENTRY CA SUBSCRIBER PRICE -1.60 -3.20

STN INTERNATIONAL LOGOFF AT 12:56:45 ON 22 JAN 2008

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=> file registry

COST IN U.S. DOLLARS

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * *	* *	* *	* *	* Welcome to STN International
NEWS NEWS		AUG	10	Web Page for STN Seminar Schedule - N. America Time limit for inactive STN sessions doubles to 40
MEMP	2	AUG	10	minutes
NEWS	3	AUG	18	COMPENDEX indexing changed for the Corporate Source (CS) field
NEWS	4	AUG	24	ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS	5	AUG	24	CA/CAplus enhanced with legal status information for U.S. patents
NEWS	6	SEP	09	50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS	7	SEP	11	WPIDS, WPINDEX, and WPIX now include Japanese FTERM
NEWS	8	OCT	21	Derwent World Patents Index Coverage of Indian and Taiwanese Content Expanded
NEWS	9	OCT	21	Derwent World Patents Index enhanced with human
				translated claims for Chinese Applications and Utility Models
NEWS	10	OCT	27	Free display of legal status information in CA/CAplus, USPATFULL, and USPAT2 in the month of November.
NEWS	EXP	RESS		26 09 CURRENT WINDOWS VERSION IS V8.4, CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.
NEWS				N Operating Hours Plus Help Desk Availability
NEWS	LOG	IN	We.	lcome Banner and News Items
Enter				ed by the item number or name to see news on that
speci.	LIC	сорт		
agr	eeme	nt.	Thi	is subject to the provisions of the STN customer s agreement limits use to scientific research. Use velopment or design, implementation of commercial
				e of CAS and STN data in the building of commercial
pro	duct	s is	pro	hibited and may result in loss of user privileges ties.
* * *	* *	* *	* *	* * * * * STN Columbus * * * * * * * * * * * * *
FILE	'HOM	E' El	NTER	ED AT 09:50:17 ON 17 NOV 2009

FILE 'REGISTRY' ENTERED AT 09:50:37 ON 17 NOV 2009
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SINCE FILE TOTAL ENTRY SESSION 0.22 0.22

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STRUCTURE FILE UPDATES: 15 NOV 2009 HIGHEST RN 1192409-16-7 DICTIONARY FILE UPDATES: 15 NOV 2009 HIGHEST RN 1192409-16-7
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TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>

Uploading C:\Program Files\STNEXP\Queries\10571733.str

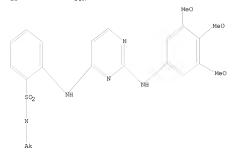
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chain bonds:
1-24 6-19 8-19 12-20 14-20 16-21 17-22 18-23 24-25 25-26
ring bonds:
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15 15-16 16-17 17-18
exact/norm bonds:
6-19 8-19 12-20 14-20 24-25 25-26
exact /norm bonds:
1-24 16-21 17-22 18-23
normalized bonds:
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15 15-16 16-17 17-18
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Match level :

chain nodes :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS 20:CLASS 21:CLASS 21:

=> d 11 L1 HAS NO ANSWERS



Structure attributes must be viewed using STN Express query preparation.

=> s l1 fam ful

STRUCTURES CONTAINING VARIABLE NODES NOT VALID IN EXACT OR FAMILY SEARCH You have requested a full structure (EXA or FAM) search on a structure containing one of the special variable-atom symbols A, M, Q, or X, or a variable group G. Only bond variability is allowed in structures for EXA or FAM searches. Variable nodes are never permitted.

=> s 11 sss ful

FULL SEARCH INITIATED 09:51:36 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 86 TO ITERATE

8 SEA SSS FUL L1

100.0% PROCESSED 86 ITERATIONS SEARCH TIME: 00.00.01 8 ANSWERS

=> file caplus

FILE 'CAPLUS' ENTERED AT 09:51:42 ON 17 NOV 2009
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FILE COVERS 1907 - 17 Nov 2009 VOL 151 ISS 21 FILE LAST UPDATED: 16 Nov 2009 (20091116/ED) REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

CAplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

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http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> s 12 2 L2 L3

=> d 13 ibib abs 1-2

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:260035 CAPLUS

DOCUMENT NUMBER: 142:336377

TITLE: Preparation of 2,4-di(phenylamino)pyrimidines useful

in the treatment of proliferative disorders

INVENTOR(S): Imbach, Patricia; Roesel, Johannes

PATENT ASSIGNEE(S): Novartis AG, Switz.; Novartis Pharma GmbH SOURCE:

PCT Int. Appl., 39 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT		KIND DATE			- 1	APPL	ICAT		DATE							
					_											
WO 2005	0261	30		A1		2005	0324	1	WO 2	004-	EP10	466		2	0040	917
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	CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ΕĠ,	ES,	FΙ,	GB,	GD,
	GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KΕ,	ΚĠ,	KΡ,	KR,	ΚZ,	LC,
	LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NA,	NI,
	NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,
	TJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UΖ,	VC,	VN,	YU,	ZA,	ZM,	ZW
RW:	BW,	GH,	GM,	KE,	LS,	MW,	ΜZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,
	AZ,	BY,	KG,	KΖ,	MD,	RU,	ΤJ,	TM,	ΑT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,
	EE,	ES,	FΙ,	FR,	GB,	GR,	HU,	ΙE,	IT,	LU,	MC,	NL,	PL,	PT,	RO,	SE,
	SI,	SK,	TR,	BF,	BJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	NE,

SN, TD, TG AU 2004272288 20050324 AII 2004-272288 20040917 A1 AU 2004272288 B2 20081113 CA 2538413 A1 20050324 CA 2004-2538413 20040917 EP 1663992 20060607 EP 2004-765358 A1 20040917 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK CN 1852900 Α 20061025 CN 2004-80026942 20040917 BR 2004014544 Α 20061107 BR 2004-14544 20040917 JP 2007505858 Т 20070315 JP 2006-526595 20040917 US 20070105839 A1 20070510 US 2006-571733 20060314 IN 2006CN00922 Α 20070615 IN 2006-CN922 20060316 MX 2006003054 Α 20060531 MX 2006-3054 20060317 PRIORITY APPLN. INFO .: US 2003-504374P 20030918 WO 2004-EP10466 20040917 OTHER SOURCE(S): CASREACT 142:336377; MARPAT 142:336377 GI

AB The title compds. I [X = CRO, N; RO, R1-R4 = H, OH, alkyl, etc.; or R3 and R4 form together with the nitrogen and carbon atoms to which they are attached a 5-10 membered heterocyclic ring and comprising addnl. 1-3 heteroatoms selected from N, O and S; or R1-R3 = halo, haloalkyl, alkoxy, etc.; or R1 and R2 form aryl or 5-10 membered heteroaryl; R5, R6 = H, halo, CN, alkyl, etc.; R7-R9 = H, OH, alkyl, etc.], useful for preventing or treating proliferative disorders such as a tumor disease, by inhibiting ALK activity, were prepared E.g., a 2-step synthesis of 2-[2-(1H-indazol-6-ylamino)-pyrimidin-4-ylamino]benzenesulfonamide, starting from 2-aminobenzenesulfonamide and 2,4-dichloropyrimidine, was given. The compds. I were tested for inhibition of ALK tyrosine kinase in various cellular assays (data were given for representative compds. I). OS.CITING REF COUNT: THERE ARE 9 CAPLUS RECORDS THAT CITE THIS RECORD (9 CITINGS) REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN

DOCUMENT NUMBER: 139:292258

ACCESSION NUMBER:

TITLE: Pyrimidine derivatives

INVENTOR (S): Baenteli, Rolf; Zenke, Gerhard; Cooke, Nigel Graham; Duthaler, Rudolf; Thoma, Gebhard; Von Matt, Anette; Honda, Toshiyuki; Matsuura, Naoko; Nonomura, Kazuhiko; Ohmori, Osamu; Umemura, Ichiro; Hinterding, Klaus;

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

Papageorgiou, Christos PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.

2003:757684 CAPLUS

SOURCE: PCT Int. Appl., 45 pp. CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE . English

FAMILY ACC. NUM. COUNT: 1

PA	PATENT NO.					KIND DATE			APPLICATION NO.					DATE				
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		HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG	, KP,	KR,	KZ,	LC,	LK,	LT,	LU,	
											, OM,							
		SE,	SG,	SK,	ΤJ,	TM,	TN,	TR,	TT,	UP	us,	UZ,	VC,	VN,	YU,	ZA,	ZW	
	RW:																	
						FR,	GB,	GR,	HU,	IE	, IT,	LU,	MC,	NL,	PT,	RO,	SE,	
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	1487																	
	R:																	
											, TR,							
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CN	1697	830			A		2005	1116		CN	2003-	8061	0.1		2	0030	314	
	5351										2003-							
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NO	2004	0043	74		A		2004	1014		NO	2004-	43/4	c 0		2	0041	014	
05	2006	0100	221		AI		2006	0511		05	2005-	50 /0	60		2	0050	613	
	2004				A		2006	0531										
PRIORIT	RIORITY APPLN. INFO.:									UB WO	2002-	0215	10		M Z	0020	314	
OTHER S	OUDCE	/e).			MAD	יייהכ	120.	2022		wO	2003-	EFZ/	TO		vi Z	0030	214	
GI GI	UURCE	(0):			rink.	-nı	139:	2722	00									
GT																		

The pyrimidine derivs. (I) are claimed, wherein X = =CR or =N, R, R1, R2, AB R3, R4 independently is H, OH, C1-8alkyl, C2-8alkenyl, C3-8cycloalkyl, C3-8cycloalkyl-C1-8alkyl, hydroxyC1-8alkyl, C1-8alkoxyC1-8alkyl, hydroxyC1-8alkoxyC1-8alkyl, arylC1-8alkyl which optionally may be substituted on the ring by OH, C1-8alkoxy, carboxy, C1-8alkoxycarbonyl or R3 and R4 form together with N and C atoms to which they are attached to a 5-10 membered heterocyclic ring containing 1, 2 or 3 heteroatoms of N, O or S; R1 and R2 form together with C atoms to which they are attached aryl of 5-10 membered heteroaryl moiety containing 1-2 heteroatoms of N, O, S; R and R6 independently is H, halo, CN, C1-8alkyl, haloC1-8alkyl, C2-8alkenyl, C2-8alkynyl, C3-8cycloalkyl, C3-8cycloalkylC1-8alkyl, C5-10arylC1-8alkyl,; R7, R8 and R9 is independently H, OH, C1-8alkyl, C2-8alkenyl, haloC1-8alkyl, C1-8alkoxy, C3-8cycloalkyl, C3-8cycloalkylC1-8, arylC1-8alkyl. disorders where ZAP-70 and/or Syk inhibition plays a role or caused by a malfunction of signal cascades connected with FAK. I are

Ι

useful in disorders where ZAP-70 and/or Syk inhibition plays a role or caused by a malfunction of signal cascades connected with FAK.

Pharmaceutical compns. containing I are claimed.

OS.CITING REF COUNT: 22 THERE ARE 22 CAPLUS RECORDS THAT CITE THIS

RECORD (22 CITINGS)

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS SINCE FILE TOTAL
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL

CA SUBSCRIBER PRICE ENTRY SESSION -1.64 -1.64

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				Now Available for Download
NEWS	5	FEB	16	Derwent World Patents Index (DWPI) Revises Indexing
				of Author Abstracts
NEWS		FEB		New FASTA Display Formats Added to USGENE and PCTGEN
NEWS	7	FEB	16	INPADOCDB and INPAFAMDB Enriched with New Content
				and Features
NEWS	8	FEB	16	INSPEC Adding Its Own IPC codes and Author's E-mail
				Addresses
NEWS	9	APR	02	CAS Registry Number Crossover Limits Increased to
				500,000 in Key STN Databases
NEWS	10	APR	02	PATDPAFULL: Application and priority number formats enhanced
NEWS	11	APR	02	DWPI: New display format ALLSTR available
NEWS	12	APR	02	New Thesaurus Added to Derwent Databases for Smooth
				Sailing through U.S. Patent Codes
NEWS	13	APR	02	EMBASE Adds Unique Records from MEDLINE, Expanding
				Coverage back to 1948

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http://www.cas.org/support/stngen/stndoc/properties.html

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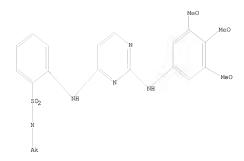
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6-19 8-19 12-20 14-20 24-25 25-26 research bonds:
1-2 4 16-21 17-22 18-23 18-23 rormalized bonds:
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18 14-15 15-16 16-17 17-18
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Match level: 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 11:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS 20:CLASS 21:CLASS 21:CLASS

L1 STRUCTURE UPLOADED

=> d 11 L1 HAS NO ANSWERS L1 STR

chain nodes :



Structure attributes must be viewed using STN Express query preparation.

>> s 11 fam ful STRUCTURES CONTAINING VARIABLE NODES NOT VALID IN EXACT OR FAMILY SEARCH You have requested a full structure (EXA or FAM) search on a structure containing one of the special variable-atom symbols A, M, Q, or X, or a variable group G. Only bond variability is allowed in structures for EXA or FAM searches. Variable nodes are never permitted.

=> s 11 sss ful FULL SEARCH INITIATED 10:32:37 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 86 TO ITERATE

100.0% PROCESSED 86 ITERATIONS SEARCH TIME: 00.00.01 8 ANSWERS

TOTAL

SESSION

191.76

L2 8 SEA SSS FUL L1

=> file caplus COST IN U.S. DOLLARS

COST IN U.S. DOLLARS SINCE FILE ENTRY
FULL ESTIMATED COST 5191.54

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REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2010

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2010

CAplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2010.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 12

L3 2 L2

=> d 13 ibib abs 1-2

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:260035 CAPLUS

DOCUMENT NUMBER: 142:336377

TITLE: Preparation of 2,4-di(phenylamino)pyrimidines useful

in the treatment of proliferative disorders

INVENTOR(S): Imbach, Patricia; Roesel, Johannes

PATENT ASSIGNEE(S): Novartis AG, Switz.; Novartis Pharma GmbH

SOURCE: PCT Int. Appl., 39 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PA:	TENT :	NO.			KIND DATE			APPLICATION NO.						DATE			
WO	2005	0261	 30		A1	-	2005	0324	WO 2004-EP10466						2	0040	917
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		CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,
		GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KΕ,	KG,	KP,	KR,	ΚZ,	LC,
		LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NA,	NI,
		NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,
		TJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	zw
	RW:	BW,	GH,	GM,	KΕ,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,
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MX 2006003054 PRIORITY APPLN. INFO.: A 20060531 MX 2006-3054 US 2003-504374P WO 2004-EP10466

20060317 20030918 20040917

OTHER SOURCE(S): GI

CASREACT 142:336377; MARPAT 142:336377

AB The title compds. I [X = CRO, N; RO, R1-R4 = H, OH, alkyl, etc.; or R3 and R4 form together with the nitrogen and carbon atoms to which they are attached a 5-10 membered heterocyclic ring and comprising addnl. 1-3 heteroatoms selected from N. O and S; or R1-R3 = halo, haloalkyl, alkoxy, etc.; or R1 and R2 form arvl or 5-10 membered heteroarvl; R5, R6 = H, halo, CN, alkyl, etc.; R7-R9 = H, OH, alkyl, etc.], useful for preventing or treating proliferative disorders such as a tumor disease, by inhibiting ALK activity, were prepared E.g., a 2-step synthesis of 2-[2-(1H-indazol-6-ylamino)-pyrimidin-4-ylamino]benzenesulfonamide, starting from 2-aminobenzenesulfonamide and 2,4-dichloropyrimidine, was given. The compds. I were tested for inhibition of ALK tyrosine kinase in

various cellular assays (data were given for representative compds. I). THERE ARE 11 CAPLUS RECORDS THAT CITE THIS OS.CITING REF COUNT: 11

RECORD (11 CITINGS)

REFERENCE COUNT: THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS 10 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 2 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2003:757684 CAPLUS DOCUMENT NUMBER: 139:292258

TITLE:

Pyrimidine derivatives INVENTOR(S): Baenteli, Rolf; Zenke, Gerhard; Cooke, Nigel Graham;

Duthaler, Rudolf; Thoma, Gebhard; Von Matt, Anette; Honda, Toshivuki; Matsuura, Naoko; Nonomura, Kazuhiko; Ohmori, Osamu; Umemura, Ichiro; Hinterding, Klaus;

Papageorgiou, Christos

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.

SOURCE: PCT Int. Appl., 45 pp.

CODEN: PIXXD2 DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND DATE	APPLICATION NO.	DATE		
WO 2003078404	A1 2003092		20030314		
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HR, HU,	ID, IL, IN, IS, JP	, KE, KG, KP, KR, KZ, LC,	LK, LT, LU,		
LV, MA, I	4D, MK, MN, MX, NI	, NO, NZ, OM, PH, PL, PT,	RO, RU, SC,		
SE, SG,	SK, TJ, TM, TN, TR	, TT, UA, US, UZ, VC, VN,	YU, ZA, ZW		
RW: AM, AZ, I	BY, KG, KZ, MD, RU	, TJ, TM, AT, BE, BG, CH,	CY, CZ, DE,		
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ZA	20040	0670)9		A	2	2006	0531	Z	Α	2004-	6709			2	0060	330
PRIORITY	Y APPI	N. :	INFO	. :					G	В	2002-	6215			A 2	0020	315
									W	Ю	2003-	EP27	10	1	1 2	0030	314

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT OTHER SOURCE(S): MARPAT 139:292258 GI

AB The pyrimidine derivs. (I) are claimed, wherein X = =CR or =N, R, R1, R2, R3, R4 independently is H, OH, C1-8alkvl, C2-8alkenvl, C3-8cvcloalkvl, C3-8cycloalkyl-C1-8alkyl, hydroxyC1-8alkyl, C1-8alkoxyC1-8alkyl, hydroxyC1-8alkoxyC1-8alkyl, arylC1-8alkyl which optionally may be substituted on the ring by OH, C1-8alkoxy, carboxy, C1-8alkoxycarbonyl or R3 and R4 form together with N and C atoms to which they are attached to a 5-10 membered heterocyclic ring containing 1, 2 or 3 heteroatoms of N, O or S; R1 and R2 form together with C atoms to which they are attached arvl of 5-10 membered heteroaryl moiety containing 1-2 heteroatoms of N, O, S; R and R6 independently is H, halo, CN, C1-8alkyl, haloC1-8alkyl, C2-8alkenyl, C2-8alkynyl, C3-8cycloalkyl, C3-8cycloalkylC1-8alkyl, C5-10arylC1-8alkyl,; R7, R8 and R9 is independently H, OH, C1-8alkyl, C2-8alkenyl, haloC1-8alkvl, C1-8alkoxv, C3-8cvcloalkvl, C3-8cvcloalkvlC1-8, arvlC1-8alkyl, disorders where ZAP-70 and/or Syk inhibition plays a role or caused by a malfunction of signal cascades connected with FAK. I are useful in disorders where ZAP-70 and/or Syk inhibition plays a role or caused by a malfunction of signal cascades connected with FAK. Pharmaceutical compns. containing I are claimed.

OS.CITING REF COUNT: 23 THERE ARE 23 CAPLUS RECORDS THAT CITE THIS RECORD (23 CITINGS)

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff

LOGOFF? (Y) /N/HOLD: y

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

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 SINCE FILE
 TOTAL

 BNTRY
 SESSION

 FULL ESTIMATED COST
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION

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